PTO/SB/08A (08-00)
Approved for use through 10/31/2002 OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a co-ection of information unless at contains a varie 0.048 control number. Under the Paperwork Reduction Act of 1995, no persons are required to res

Substitute for form 1449A/PTO

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

of

Complete if Known **Application Number** 10/076,951 Filing Date February 15, 2002 First Named Inventor Larry Harris Group Art Unit 2815 Examiner Name Attorney Docket Number 011247.000003

					U.S. PATENT DOC	JMENTS		
Examiner Initials		Cite No.1	U.S. Patent Document Number Kind Code ² (d known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Fages, Columns, Lines, Where Retevant Passages or Relevant	
V	N	A1	4,020,294		Kitajewski et al	04-26-1977	Egures Appear	
	Ŀ	A2	4,441,072		Rahman .	04-03-1984		
		A3_	4.514.685		Gilker	04-30-1985		
	<u> </u>	'A4	4,616,188		Stitt et al	10-07-1986		
	Ŀ	A5	4,760,285		Nelson	07-26-1988		
	1	A6	4,801,833		Dye	01-31-1989		
_	⊢	A7	4,833,406		Foster.	05-23-1989		
	Ш	A8	5.055.768	-	Plagens	10-08-1991		
-	\vdash	A9	5,291,607		Ristic et al	03-01-1994		
-	-	A10 A11	5,604,433		Theus et al	02-18-1997		
-	-	A11	5,627,398	\rightarrow	Zlebir et al .	05-06-1997		
		A12	5.834,973		Klatser et al	11-10-1998		
٦,	\vdash	A14	6,225,927 5,621,319		Scott et al	05-01-2001	* 1	
		A 14	3,021,319		Bilotti et al	04-15-1997		
_	\dashv					<u> </u>		
_	\dashv							
	-		·					
	\dashv			+				
_	_	- 1				-		

1				FOR	EIGN PATENT DOCUME	NTS		-
Examiner	Cite	Foreign Patent Document			· · · · · · · · · · · · · · · · · · ·	- Date of Publication of	Pages, Columns, Lines,	т-
Initials	No.1	Office ³	Number ⁴	Kind Code ^b (if known)	Name of Patentee or Applicant of Cited Documer		Where Relevant Passages or Relevant Figures Appear	Ϊ6
	·	<u> </u>						
		~						
	*							-
4.00								-
		. "					~~	-
			1					-
·							 	-
								├
· .								\vdash
								\vdash

		<u> </u>			
Examiner	Bruk Nowe	•	Date		
Signature	and Nyluy		Considered	04/29/04	
**********				12//	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any convinents on the amount of time you are required to complete this form should be sent to the Chief Information Officer. U. S. Patent and Trademark Office, Washington, DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Washington, DC 20231

al if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WiPO Standard ST 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must proceed the sor in number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under VIPO Standard ST 16.4 possible * Applicant is to place a check mark here if English language Translation is attached

MAY 2 3 2002 Please type a plus sign (+) instor this box

PTO/SB/08B (08-00)

Approved for use through 10/31/2002 OMB 0651-0031

U. S. Patent and Trademark Office. U.S. DEPARTMENT OF COMMERCE

Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Under University Act of 15

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Complete if Known

Application Number 10/076,951 //

Filling Date February 15, 2002

First Named Inventor Larry Harris

Group Art Unit 2815

Examiner Name

Attorney Docket Number 011247,000003

Sheet 2 of 3

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the Examiner item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), Initials* publisher, city and/or country where published. Micronas Data Sheet: "HAL114, HAL115. Hall Effect Sensor Family", 1999-12-20, 2nd Release. [online]. C1 [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>: Micronas Data Sheet: "HAL11x, HAL5xx, HAL62x Data Sheet Supplement", 2000-07-04, 1st Release. [online]. [retrieved on or about 2002-02-08] Retrieved from the Internet C2 <URL:http://www.micronas.com/products/documentation/sensors/>. Micronas Data Sheet: "HAL300, Differential Hall Effect Sensor IC", 1998-07-15, 1st Release [online]. C3 [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http:://www.micronas.com/products/documentation/sensors/> Micronas Data Sheet: "HAL 320", Differential Hall Effect Sensor IC", 1998-07-15, 1st Release. [online]. [retrieved on or about 2002-02-08] Retrieved from the Internet C4 <URL:http://www.micronas.com/products/documentation/sensors/>. Micronas Data Sheet: "HAL300, HAL320 Data Sheet Supplement" 2000-07-04, 1st Release. [online], [retrieved on or Ć5 about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>. Micronas Data Sheet: "HAL525, HAL535 Hall Effect Sensor IC", 2000-08-30, 3rd Release. [online], [retrieved on or about 2002-02-08] Retneved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>. C6 Micronas Data Sheet: "HAL556, HAL560, HAL566, Two-Wire Hall Effect Sensor Family", 2000-08-03, 2nd Release. [online]. C7 [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>. Micronas Advanced Information: "HAL571, 573...575, HAL581, 584, Two-Wire Hall Effect Sensor Family", 2000-10-11, 1st Release. [online]. [retneved on or about 2002-02-08] Retrieved from the Internet C8 <URL http://www.m.cronas.com/products/documentation/sensors/> Micronas Data Sheet: "HAL621, HAL629, Hall Effect Sensor Family", 2001-02-05, 2nd Release. [online], [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>. Micronas Preliminary Data Sheet: "HAL800 Programmable Linear Hall Effect Sensor", 1999-10-20, 1st 10 Release. [online], [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>. C Micronas Preliminary Data Sheet: "HAL805 Programmable Linear Hall Effect Sensor", 2000-02-02, 1st Release. [online], [retrieved on or about 2002-02-08] Retrieved from the Internet <URL:http://www.micronas.com/products/documentation/sensors/>

		 1	3		
Examiner Signature	mb Nguye_	 ÷ .	Date Considered	04/24/04	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer. U. S. Patent and Trademark Office. Washington. DC 20231 DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO. Assistant Commissioner for Patents, Washington, DC 20231.

+

^{*}EXAMINER Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not include copy of this form with next communication to applicant.

^{*} Unique citation designation number: 2 Applicant is to place a check mark here if English language Translation is attached.

MAY 2 3 2602 ype a plus sign (+) ins be this box ->

Sheet

PFO/SB/08B (08-00)
Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it contains a valid OMB control number.

FRADE MANUAL SUBSTITUTE TO FORM 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary) of

Complete if Known					
Application Number	10/076,951				
Filing Date	February 15, 2002				
First Named Inventor	Larry Harris				
Group Art Unit	2815				
Examiner Name	7 9				
Attorney Docket Number	011247 000003				

Examiner Initials*	Cite No.1							
W	C 12	Micronas Advance Information: "HAL815 Programmable Linear Hall Effect Sensor", 2000-11-10, 1st Release						
	C 13	Micronas Advance Information: "HAL 1000 Programmable Hall Switch", 2000-05-31, 1st Release. [online], [retrieved on or about 2002-02-08] Retrieved from the Internet <url:http: documentation="" products="" sensors="" www.micronas.com=""></url:http:> .						
	C 14	Maupin, J. T., Geskes, M.L. "The Hall Effect in Silicon Circuits" in: Symposiuim on Hall Effect and Its Applications (New York, Plenum Press, 1979), pp. 421-445.						
\bigvee	C 15	Micronas Product Overview: "Hall Effect Sensors-Sensors Overview and Systems Solutions", [online], [retrieved on or about 2001-12-27] Retrieved from the Internet <url:http: documentation="" products="" sensors="" www.micronas.com=""></url:http:> .						
*								
			-					
			_					

	// /		
Examiner		Date	
Signature	such Ngrey	I · · · ·	04/29/04
		Considered	047-1707

'EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant,

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S² Patent and Trademark Office. Washington, DC 20231, DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.